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Farkas & Manali, PLLC
2000 M Street, N.W., 7th Floor
Washington, D.C. 20036USA Patent Appl.
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For inventions made outside U.S.A.
except where otherwise specifiedAppl. No. 62-061 50003
A10 (Date Rec'd)**[NONPROVISIONAL]****[NONPROVISIONAL]****ASSIGNMENT
OF NONPROVISIONAL APPLICATION**In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to
each of the undersigned, to wit:INSERT
NAME(S) OF
INVENTOR(S)

(1) Hans-Dieter Flad	(4) Irina Delnert (married: Erichsen-Delnert)
(2) Johannes Gerdes	(5)
(3) Andreas Böhle	1 box if continued on page 2

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s),
assign(s) and transfer(s) unto:INSERT
NAME(S) OF
ASSEE(S)
& ADDRESS(E)**FORSHUNGSZENTRUM BORSTEL ZENTRUM FÜR MEDIZIN UND BIOWISSENSCHAFTEN**

Parkallee 1-40

D-23846

Borstel, Germany

(hereinafter designated "ASSEE") the entire right, title and interest for the United States of America as defined in 35
U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues
thereof, and all resulting patents, known asTITLE OF
INVENTION**ANITISENSE OLIGONUCLEOTIDES FOR TREATING PROLIFERATING CELLS**

for which the undersigned executed an application for Letters Patent of the United States of America.

NOTE -
If complete
line A & answer C

(A) even date herewith
 (B) on November 21, 2000
 (C) in U.S. Appln. No. / filed

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents
and Trademarks to issue said Letters Patent to the said ASSEE, for its interest as ASSEE, its successors, assigns
and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereafter act on
behalf of said ASSEE;AND the undersigned hereby agree(s) to testify and execute any papers for ASSEE, its successors,
assigns and legal representatives, deemed essential by ASSEE to ASSEE'S full protection and title in and to the
invention hereby transferred.NOTE -
The undersigned hereby authorize(s) Farkas & Manali, PLLC, of the above address to insert hereon any
further identification necessary or desirable for recordation of this document.**INVENTOR(S)****DATE SIGNED****WITNESSES**

1)

Name: Hans-Dieter Flad

2)

Name: Johannes Gerdes

3)

Name: Andreas Böhle

4)

Name: Irina Delnert (married: Erichsen-Delnert)

5)

Name:

IF ADDITIONAL INVENTORS, check box and continue on page 2.**ASSIGNMENT**
(Continued from page 1)
LISTING OF ADDITIONAL INVENTORS

Please return sig recorded to:

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Washington, D.C. 20036

USA Patent Appln.
Sole or Joint

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executed with or after application

Atty. Okz.

63-661

S0303

Client Ref.

NONPROVISIONAL

NONPROVISIONAL

ASSIGNMENT OF NONPROVISIONAL APPLICATION

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSEKT
NAME(S) OF
INVENTOR(S)

(1) Hans-Dieter Flad	(4) Irina Deinert
(2) Johannes Gerdes	(5)
(3) Andreas Böhle	[] x box if continued on page 2

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT
NAME(S) OF
ASSEE(S)
& ADDRESS(ES)

FORSHUNGSZENTRUM BORSTEL ZENTRUM FÜR MEDIZIN UND BIOWISSENSCHAFTEN
Parkalle 1-40
D-23845
Borstel, Germany

(hereinafter designated "ASSEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

TITLE OF
INVENTION

ANITISENSE OLIGONUCLEOTIDES FOR TREATING PROLIFERATING CELLS

for which the undersigned executed an application for Letters Patent of the United States of America:

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- (B) on November 21, 2000
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AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSEE, for its interest as ASSEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSEE, its successors, assigns and legal representatives, deemed essential by ASSEE to ASSEE'S full protection and title in and to the invention hereby transferred.

NOTE -- The undersigned hereby authorize(s) Farkas & Manelli, PLLC, of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

INVENTOR(S)

DATE SIGNED

WITNESSES

1) <u>H.-D. Flad</u>	<u>20/02/01</u>	<u>J. Gerdes (J. Gerdes)</u>
2) <u>J. Gerdes</u>	<u>20/02/01</u>	<u>H.-D. Flad (H.-D. Flad)</u>
3) <u>A. Böhle</u>	<u>20/02/01</u>	<u>O. L. L. (O. L. L.)</u>
4) <u>Irina Deinert</u>		
5) <u>Name:</u>		

IF ADDITIONAL INVENTORS, check box and continue on page 2.

ASSIGNMENT (Continued from page 1)

LISTING OF ADDITIONAL INVENTORS

DECLARATION / OWNER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

[] Declaration Submitted with Initial Filing or [X] Declaration Submitted after Initial Filing (surcharge 37 CFR 1.16 (e) required)

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the INVENTION ENTITLED "ANTISENSE OLIGONUCLEOTIDES FOR TREATING PROLIFERATING CELLS", the specification of which was filed on November 21, 2000 as Attorney Docket No. 661-50303, which is a U.S. National Phase application of PCT International Application No. PCT/EP99/03451.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56 including for continuation-in-part application, material information which becomes available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International Application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT International application having a filing date before that of the application on which priority is claimed.

PRIOR FOREIGN APPLICATION(S)

<u>Number</u>	<u>Country</u>	<u>Foreign Filing Date (MM/DD/YYYY)</u>	<u>Priority Claimed</u>	<u>Certified Copy Attached?</u>
PCT/EP99/03451 198 22 954.2	DE	May 20, 1999 May 22, 1998	Yes Yes	Yes No

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint the registered practitioners represented by Customer No.: 20736 to prosecute this application and transact all business in the U.S. Patent and Trademark Office in connection therewith. Direct all correspondence to Farkas & Manelli, PLLC at Customer No.: 20736.

1. INVENTOR'S SIGNATURE:

Inventor's Name (typed)	<u>H. D. Flad</u>		Date	<u>20/02/01</u>
First	<u>D</u>	Middle Initial	<u>Flad</u>	Germany
Residence (City)	<u>Borsig</u>		(State)	<u>Germany</u>
Post Office Address (Include Zip Code)	<u>Parkallee 1, D-23845, Borsig, Germany</u>			

2. INVENTOR'S SIGNATURE:

Inventor's Name (typed)	<u>Johannes</u>		Date	<u>20/02/01</u>
First	<u>J</u>	Middle Initial	<u>Gerd</u>	Germany
Residence (City)	<u>Feldhorst</u>		(State)	<u>Germany</u>
Post Office Address (Include Zip Code)	<u>Steinfeld 79, D-21858, Feldhorst, Germany</u>			

3. INVENTOR'S SIGNATURE:

Inventor's Name (typed)	<u>Andreas</u>		Date	<u>20/02/01</u>
First	<u>A</u>	Middle Initial	<u>Behle</u>	Germany
Residence (City)	<u>Groß Grönau</u>		(State)	<u>Germany</u>
Post Office Address (Include Zip Code)	<u>Fasanenring 2, D-23621, Groß Grönau, Germany</u>			

4. INVENTOR'S SIGNATURE:

Inventor's Name (typed)	<u>Irina</u>		Date	
First	<u>I</u>	Middle Initial	<u>Deinert</u>	Germany
Residence (City)	<u>Lübeck</u>		(State)	<u>Germany</u>
Post Office Address (Include Zip Code)	<u>Ottensenweg 12, D-21560, Lübeck, Germany</u>			

Declaration Submitted with Initial Filing or Declaration Submitted after Initial Filing (surcharge 37 CFR 1.16 (c) required)

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the INVENTION ENTITLED, "ANTISENSE OLIGONUCLEOTIDES FOR TREATING PROLIFERATING CELLS", the specification of which was filed on November 21, 2000 as Attorney Docket No. 661-50303, which is a U.S. National Phase application of PCT International Application No. PCT/EP99/03451.

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I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International Application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT International application having a filing date before that of the application on which priority is claimed.

<u>PRIOR FOREIGN APPLICATION(S)</u>		<u>Priority Claimed</u>	<u>Certified Copy Attached?</u>
<u>Number</u>	<u>Country</u>	<u>Foreign Filing Date (MM/DD/YYYY)</u>	<u>Yes</u> <u>No</u>
PCT/EP99/03451 198 22 954.3	DE	May 20, 1999 May 22, 1998	Yes Yes

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1. INVENTOR'S SIGNATURE: _____ Date: _____
 Inventor's Name (typed) Hans-Dieter
 First Middle Initial Last Family Name Country of Citizenship
 Residence (City) Borstel (State) Germany
 Post Office Address (Include Zip Code) Pakkallee 1 D-23845 Borstel, Germany

2. INVENTOR'S SIGNATURE: _____ Date: _____
 Inventor's Name (typed) Johannes
 First Middle Initial Last Family Name Country of Citizenship
 Residence (City) Feldhorst (State) Germany
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3. INVENTOR'S SIGNATURE: _____ Date: _____
 Inventor's Name (typed) Andreas
 First Middle Initial Last Family Name Country of Citizenship
 Residence (City) Groß Grönau (State) Germany
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4. INVENTOR'S SIGNATURE: 4-DR-23-1 Date: 20.02.2001
 Inventor's Name (typed) Inga
 First Middle Initial Last Family Name Country of Citizenship
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 Post Office Address (Include Zip Code) Ohlendorffstrasse 12 D-21069 Lübeck, Germany
 Poststraße 43 D-22964 Hamburg DEX